Aspire App APIs

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1. Create Customer

URL : http://localhost:8000/api/register

This API will be consumed for creating the customers.

Request Parameters:

Parameter Name	Description
fname	First Name of Customer
lname	Last Name of Customer
phone	Phone No. of Customer
email	Email Id of Customer
job	Job of Customer
password	Password of Customer

Response Parameters:

Parameter Name	Description
responseCode	"00" for success, "02" for error
responseMsg	Response Message

Sample Requests & Responses:

Sample Request	Sample Response

{
" fname ": "sreeraj",
" lname ": "vs",
"phone ": "2245689123",
"email ": "sreerajvs6@gmail.com",
"job ": "Engineer",
"password ": "sree"
}
	{
	"responseCode": "00",
	 "responseMsg": "Customer Registered Successfully"
	}

{
" fname ": "sreeraj",
" lname ": "vs",
"phone ": "2245689123",
"email ": "sreerajvs6@gmail.com",
"job ": "Engineer",
"password ": "sreeraj"
}
	{
	 "responseCode": "02",
	 "responseMsg": "Email already used"
	}

2. User Login

URL : http://localhost:8000/api/login

This API will be consumed for authenticating the users.
 Request Parameters:

Parameter Name	Description
email	Email Id of Customer
password	Password of Customer

Response Parameters:

Parameter Name	Description
responseCode	"00" for success, "02" for error
responseMsg	Response Message
data	Response Data

Sample Requests & Responses:

Sample Request	Sample Response

{
"email":
"sreerajvs6@gmail.com",
"password ": "sree",
}
	{
	"responseCode": "00",
	 "responseMsg": "Logined Successfully",
	 "data": {
	    "type": "customer",
	    "token":
	"$2y$10$5rDq.SN3/6omxST8sLZMTueUFiL5IWNuZUD4q
	VO1mTRPCKuGvwzte",
	    "customerid": 1,
	    "name": "Sreeraj VS",
	    "phone": "2245689123",
	    "job": "Engineer"
	   }
	}

{
"email": "admin@gmail.com",
"password ": "aspireadmin",
}
	{
	"responseCode": "00",
	"responseMsg": "Logined Successfully",
	 "data": {
	      "type": "admin",
	       "token":
	      "$2y$10$dgBOGW6AMbSZmIevX5L8YOBKmGFr
	      VPhQx1/rL8h0GygJMd/Wh3q7K",
	        "name": "Admin"
	       }
	}

{
  "email": "admin@gmail.com",
  "password ": "aspireadmi",
}
	{
	   "responseCode": "02",
	   "responseMsg": "Invalid Credentials"
	}

3. Apply Loan

URL : http://localhost:8000/api/applyLoan

This API will be consumed by customers for applying the loan

Request Parameters:

Parameter Name	Description
cstmrid	Customer ID
amount	Loan amount
term	Loan Term
schedule	Date Schedule(comma separated date values)

Response Parameters:

Parameter Name	Description
responseCode	"00" for success
responseMsg	Response Message

Sample Requests & Responses:

Sample Request	Sample Response

{
"cstmrid": "1",
"amount": "3500",
"term": "3",
"schedule": "2022-02-19,2022-02-26,2022-03-05 "
}
	{
	   "responseCode": "00",
	   "responseMsg": "Loan Applied Successfully"
	}

4. List Loans(Admin)

URL : http://localhost:8000/api/listLoans

This API will be consumed by admin for listing the loans.

Request Parameters:

No parameters to pass

Response Parameters:

Parameter Name	Description
responseCode	"00" for success
responseMsg	Response Message
data	Response Data

Sample Requests & Responses:

Sample Request	Sample Response
|  | ```json
{
  "responseCode": "00",
  "responseMsg": "Loan Datas",
  "data": {
    "loans": [
      {
        "cstmrid": 1,
        "fname": "Sreeraj",
        "lname": "VS",
        "phone": "2245689123",
        "email ": "sreerajvs6@gmail.com",
        "job ": "Engineer",
        "loanid": 3,
        "amount": "1000",
        "term": 3,
        "schedule": "2022-02-19,2022-02-26,2022-03-05",
        "status": "APPROVED"
      },
      {
        "cstmrid": 2,
        "fname": "Saranya",
        "lname": "VS",
        "phone": "2245689123",
        "email ": "sreerajvs6@gmail.com",
        "job ": "Teacher",
        "loanid": 2,
        "amount": "4000",
        "term": 4,
        "schedule": "2022-02-19,2022-02-26,2022-03-05,2022-03-12",
        "status": "PENDING"
      },
``` |

```
                            {
                               "cstmrid": 1,
                               "fname": "Sreeraj",
                               "lname": "VS",
                               "phone": "2245689123",
                               "email ": "sreerajvs6@gmail.com",
                               "job ": "Engineer",
                               "loanid": 1,
                               "amount": "3500",
                               "term": 3,
                               "schedule": "2022-02-19,2022-02-26,2022-03-05",
                               "status": "APPROVED"
                            }
                        ]
                    }
              }
```

5. View Loan(Admin & Customer)

URL : http://localhost:8000/api/viewLoan

This API will be consumed for viewing loan details.

Request Parameters:

Parameter Name	Description
cstmrid	Customer ID
loanid	Loan ID

Response Parameters:

Parameter Name	Description
responseCode	"00" for success, "02" for error
responseMsg	Response Message
data	Response Data

Sample Requests & Responses:

Sample Request	Sample Response

{
" cstmrid ": "1",
" loanid ": "3"
}
	{
	  "responseCode": "00",
	  "responseMsg": "Loan Schedules",
	  "data": {
	    "emis": [
	      {
	        "repay_amount": "333.33",
	        "schedule_no": 1,
	        "schedule_date": "2022-02-19",
	        "status": "PENDING"
	      },
	      {
	        "repay_amount": "333.33",
	        "schedule_no": 2,
	        "schedule_date": "2022-02-26",
	        "status": "PENDING"
	      },
	      {
	        "repay_amount": "333.34",
	        "schedule_no": 3,
	        "schedule_date": "2022-03-05",
	        "status": "PENDING"
	      }
	    ]
	  }
	}

{
" cstmrid ": "1",
" loanid ": "4"
}
	{
	  "responseCode": "02",
	  "responseMsg": "Pending Approval"
	}

6. Status Change(Admin)

   URL : http://localhost:8000/api/statusChange

   This API will be consumed by Admin for approving the loan

   Request Parameters:

Parameter Name	Description
cstmrid	Customer ID
loanid	Loan ID
schedule	Date Schedule(comma separated date values)
status	Changed status

Response Parameters:

Parameter Name	Description
responseCode	"00" for success
responseMsg	Response Message

Sample Requests & Responses:

Sample Request	Sample Response

{
" cstmrid ": "1",
" loanid ": "4",
" schedule ": "2022-02-19,2022-02-26,2022-03-05,2022-03-12",
" status": "APPROVED",
}
	{
	  "responseCode": "00",
	  "responseMsg": "Status Changed Successfully"
	}

7. List Loans(Customer)

URL : http://localhost:8000/api/listCstLoans

This API will be consumed for listing loans at customer side.

Request Parameters:

Parameter Name	Description
cstmrid	Customer ID

Response Parameters:

Parameter Name	Description
responseCode	"00" for success
responseMsg	Response Message
data	Response Data

Sample Requests & Responses:

Sample Request	Sample Response

```
{                              {
" cstmrid ": "1"                   "responseCode": "00",
}                                  "responseMsg": "Loans list",
                                   "data": {
                                     "loans": [
                                       {
                                          "loanid": 1,
                                          "amount": "3500",
                                          "term": 3,
                                          "status": "APPROVED"
                                       },
                                       {
                                          "loanid": 2,
                                          "amount": "4000",
                                          "term": 4,
                                          "status": "PENDING"
                                       },
                                       {
                                          "loanid": 3,
                                          "amount": "1000",
                                          "term": 3,
                                          "status": "APPROVED"
                                       }
                                     ]
                                   }
                               }
```

8. Payment(Customer)

URL : http://localhost:8000/api/paySchedules

This API will be consumed for paying the schedules.

Request Parameters:

Parameter Name	Description
cstmrid	Customer ID
loanid	Loan Amount
loanamount	Loan ID
scheduleno	No. of Schedule
repayamount	Paid Amount
date	Date of Payment

Response Parameters:

Parameter Name	Description
responseCode	"00" for success
responseMsg	Response Message

Sample Requests & Responses:

Sample Request	Sample Response

{
" cstmrid ": "1",
" loanid ": "1",
" loanamount ": "1000",
" scheduleno ": "1",
" repayamount ": "333.33",
" date": "2022-03-05",
}
	{
	   "responseCode": "00",
	   "responseMsg": "Schedule Paid Successfully"
	}